

Abstract

A post-translationally processed hedgehog protein mutant which

- exhibits a molecular weight of 22 ± 1 kDa under alkylating conditions,
- exhibits a molecular weight of 24 ± 1 kD under reducing conditions,
- is stabilized with respect to its activity by suramin
- is inactivated when 8 or more amino acids are cleaved N-terminally
- is inactivated by 90 % or more when incubated with 10 mmol/l DTE for 2.5 hours at 37°C,
- induces an activity for alkaline phosphatase of ca. 90 nmol pNP/min/mg at a concentration of 5 nmol/l in the presence of suramin,
- is not modified by cholesterol,

exhibits an activity that is increased many times.